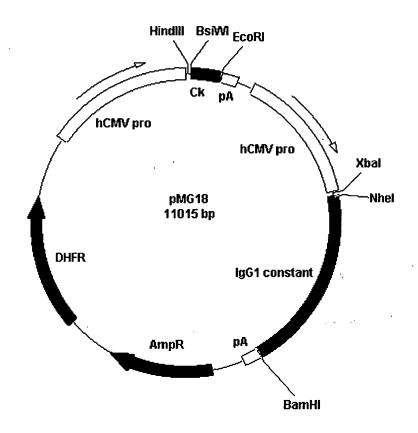
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Inventor: Jing MA
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Figure 1



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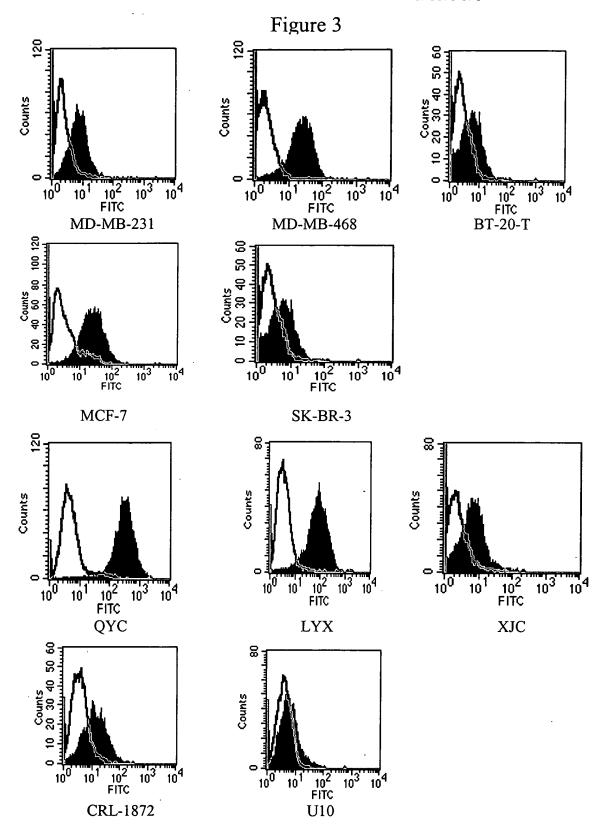
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Figure 2

Heavy chain		
	1 10 20 30 40	50
mSM5-1VH	EVQLQQSGPELVKPGASVKMSCKASGYTFT[SYVMH]WVKQKPGQGLDWIG[Y
KOL	QVQLVESGGGVVQPGRSLRLSCSSSGFIFS [SYAMY] WVRQAPGKGLEWVA [
ReSMVH	QKAYT-T[V-H]IG[Y
,	a 60 70 80 abc 90	
mSM5-1VH KOL	IVPYNDGTKYNEKFKG] KATLTSDKSSSTAYMELSRLTSEDSAVYYCVY [GS IWDDGSDQHYADSVKG] RFTISRDNSKNTLFLQMDSLRPEDTGVYFCAR [DG	
ReSMVH	-VPYNDGTK-NEKF]S-KS-AAy[GS	
	•	
	·	
	100 a b 110	
mSM5-1VH	RYDWYL DV] WGAGTTVTVSS	
KOL	GHGFCSSASCFGPDY]WGQGTPVTVSS	
ReSMVH	RYDWYL]	
Timbe ab		
Light ch		
	1 10 20 30 40	
mSM5-1VL	NIMMTQSPSSLAVSAGEKVTMSC[KSSQSVLYSSNQKNYLA]WYQQKPGQSP	
REI	DIQMTQSPSSLSASVGDRVTITC[QASQDIIK YLN]WYQQTPGKAP	
ReSMVL	N-M[KSSVLYSSNQKNA]	
	50 60 70 80 90	
mSM5-1VL	KLLIY[WASTRES]GVPDRFTGSGSGTDFTLTISSVQAEDLAVYYC[HQYFS	S
REI	KLLIY[EASNLQA]GVPSRFSGSGSGTDYTFTISSLQPEDIATYYC[QQYQS	L
ReSMVL	[WTRES][HF-	S
	100	
mSM5-1VL	YT] FGGGTKLEIKR	
REI	PYT]FGQGTKLQITR	
ReSMVL]	

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Figure 4
Western Blots

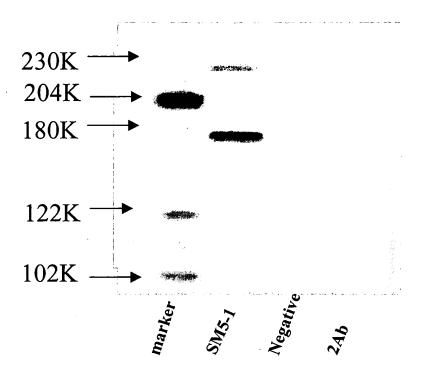
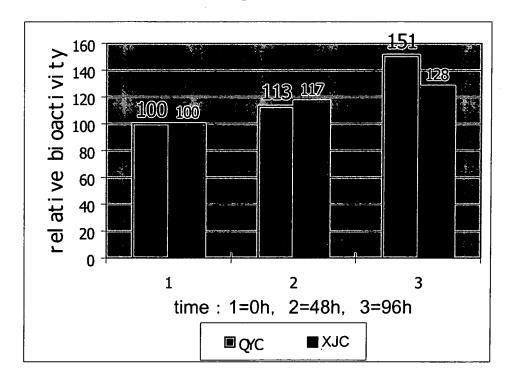


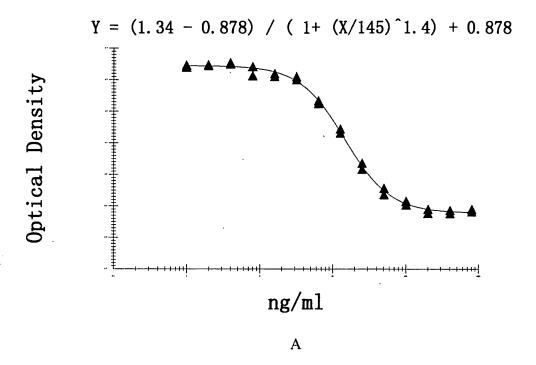
Figure 5

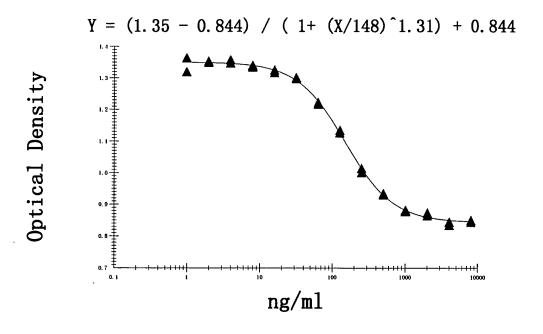


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Figure 6





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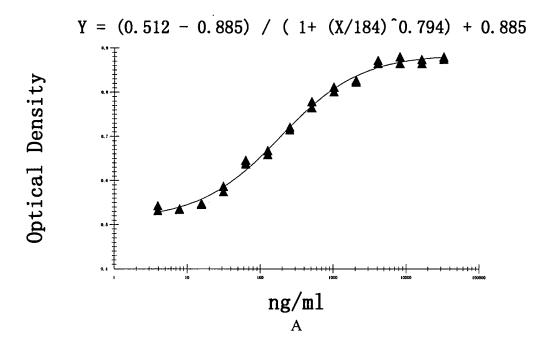
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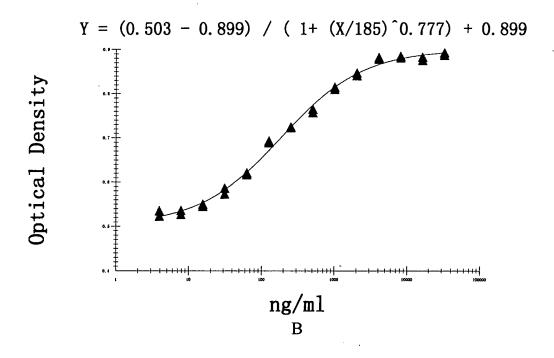
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Figure 7





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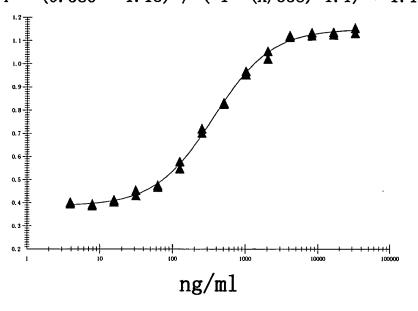
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Figure 8

 $Y = (0.386 - 1.15) / (1+ (X/358)^1.1) + 1.15$

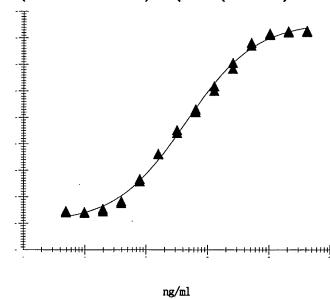




A

 $Y = (0.402 - 1.16) / (1 + (X/432)^0.775) + 1.16$

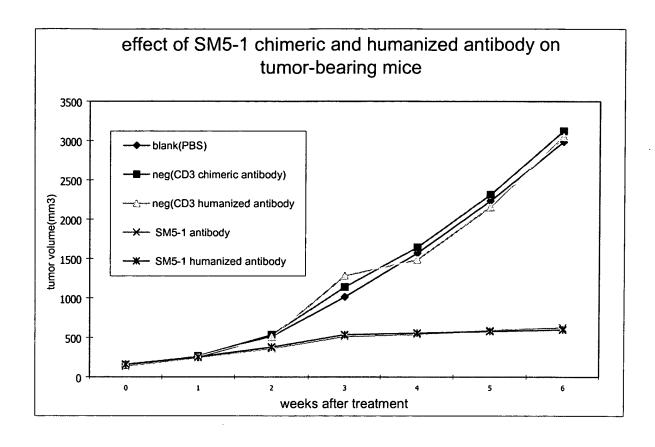




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Figure 9



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Figure 10

